

**REMARKS**

**INTRODUCTION:**

In accordance with the foregoing, claims 1 and 12 have been amended. Claims 17-21 have been added. Claims 1, 3, 5-12 and 14-21 are pending and under consideration.

**REJECTIONS UNDER 35 U.S.C. §102:**

Claims 1, 3, 5, 10 and 11 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent 4,982,390 to Tanaka.

Independent claim 1 recites "wherein said control unit stores a write address and a write time of said first storage unit into a storage table whenever a predetermined amount of said received broadcast video image data is stored in said first storage unit, searches a write address of said indicated video image data from said storage table according to an indicated time of said indicating means, and reads said indicated video image data according to said searched write address."

Thus, the present invention allows storage of a video image which has not been viewed by the user when broadcasting the video image. This is performed by having a control unit to store the write address and write time into a storage table whenever the predetermined amount of received broadcast video image data is stored in the first storage unit.

In contrast, Tanaka does not disclose these features. Instead, Tanaka discloses a secondary recording method in which the user monitors input signal Sin and sends an access command to controller 10 to confirm the part of signal Sin he wants to save. Then, the user instructs read head 13 to move to the beginning of the region where the desired signal is stored after confirming the signal on the display. Tanaka, column 5, lines 1-12.

Thus, Tanaka is disadvantageous as compared to the invention of claim 1 because this reference requires the user to view the video image at the time of broadcast.

Accordingly, independent claim 1 and claims 3, 5 and 10-11 depending therefrom, are distinguishable from Tanaka.

**REJECTIONS UNDER 35 U.S.C. §103:**

Claim 3 was rejected under 35 U.S.C. §103(a) as being unpatentable over Tanaka in view of Browne et al. Claims 6, 12 and 14-16 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tanaka in view of U.S. Patent 5,488,409 to Yuen et al. Claims 7, 8 and 9 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tanaka in view of Yuen '409 in view of U.S. Patent 5,335,079 to Yuen et al. Claims 3 and 6-9 depend from independent claim 1, and therefore are distinguishable from Tanaka for at least the above reasons. It is respectfully submitted that Browne et al., Yuen '079, and Yuen '409 do not overcome these deficiencies in Tanaka, and it is noted that these references are not relied upon by the Examiner for this purpose.

Independent claim 12 recites "wherein said control unit stores a write address and a write time of said first random-access storage unit into a storage table whenever a predetermined amount of said received broadcast video image data is stored in said first random-access storage unit, searches a write address of said indicated video image data from said storage table according to an indicated time, and reads said indicated video image data according to said searched write address." Accordingly, independent claim 12, and claims 14-16 depending therefrom are patentable over the Examiner's cited references.

**NEW CLAIMS:**

New independent claim 17 is added and recites "a control unit controlling said first storage unit to store said received broadcast video image data, searching and reading said indicated video image data, searching and reading said indicated video image data which has been stored in said first storage unit, storing the indicated video image data in said second storage unit, and storing the indicated video image data in said second storage unit according to said indication of said indicating means." Accordingly, new independent claim 17, and claims 18-20 depending therefrom, are patentable over the Examiner's cited references.

New independent claim 21 is added and recites "a first storage unit storing said received broadcast video image data at a predetermined rate...a second storage unit storing an indicated video image data in said stored received broadcast image data of said first storage unit at the predetermined rate." This differs from Tanaka, which discloses recording data to temporary memory 4 at a first rate and then reading out the recorded data to main recorder 8 at a different

rate. Accordingly, independent claim 21 is patentable over the Examiner's cited references.

**CONCLUSION:**

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

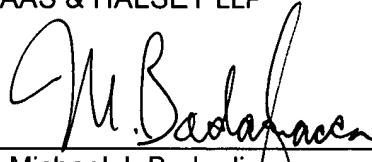
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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**CERTIFICATE UNDER 37 CFR 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231

on Feb. 13, 2002  
STAAS & HALSEY  
By: Patricia C. Lee  
Date: Feb. 13, 2002

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Please **AMEND** claims 1 and 12 in accordance with the following:

1. (THREE TIMES AMENDED) A broadcast video image recording apparatus [for recording] to record broadcast video image data[;], comprising:
  - a receiver receiving broadcast video image data for viewing;
  - a first storage unit storing said received broadcast video image data according to a FIFO sequence;
  - a second storage unit storing an indicated video image data in said stored received broadcast image data of said first storage unit;
  - indicating means for indicating said video image data to be played back; and
  - a control unit controlling said first storage unit so as to store said received broadcast video image, and for searching and reading said indicated video image data which have been stored in said first storage unit, and storing the indicated video image data in said second storage unit according to said indication of said indicating means,

wherein said control unit stores a write address and a write time of said first storage unit into a storage table whenever a predetermined amount of said received broadcast video image data is stored in said first storage unit, searches a write address of said indicated video image data from said storage table according to an indicated time of said indicating means, and read said indicated video image data according to said searched write address.

12. (TWICE AMENDED) A broadcast video image recording apparatus [for recording] to record broadcast video image data[;]comprising:
  - a first random-access storage unit storing received broadcast video image data

according to a FIFO sequence;

a second storage unit storing an indicated video image data in said stored received broadcast image data of said first random-access storage unit; and

a control unit controlling said first storage unit so as to store said received broadcast video image, searching and reading said indicated video image data which has been stored in said first random-access storage unit, and storing the indicated video image data in said second storage unit at a time indicated for recording,

wherein said control unit stores a write address and a write time of said first random-access storage unit into a storage table whenever a predetermined amount of said received broadcast video image data is stored in said first random-access storage unit, searches a write address of said indicated video image data from said storage table according to an indicated time, and reads said indicated video image data according to said searched write address.